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PTO/SB/08a (08-03)

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Substitute Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Sheet	1	of	4	Application Number	10/597,602
				Filing Date	August 01, 2006
				First Named Inventor	EINAV Omer et al
				Art Unit	Unknown
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	34617

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date DD-MMM-YYYY	Name of Patence or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US-2002/0064438	30-May-2002	Osborne Jr.	
	2	US-2004/0172097	02-Sep-2004	Brodard et al.	
	3	US-2004/0180768	16-Sep-2004	Almada	
	4	US-2004/0245838	09-Dec-2004	Chiu	
	5	US-2005/0261114	24-Nov-2005	Heitzman et al.	
	6	US-2006/0229164	12-Oct-2006	Einav	
	7	US-2006/0277074	07-Dec-2006	Einav et al.	
	8	US-2006/0293617	28-Dec-2006	Einav et al.	
	9	US-3,919,691	11-Nov-1975	Noll	
	10	US-4,499,900	19-Feb-1985	Petrofsky et al.	
	11	US-4,582,049	14-Apr-1986	Ylvisaker	
	12	US-4,724,842	16-Feb-1988	Charters et al.	
	13	US-4,921,244	01-May-1990	Bertho	
	14	US-4,936,299	26-Jun-1990	Erlandson	
	15	US-5,048,826	17-Sep-1991	Ryan	
	16	US-5,070,873	10-Dec-1991	Graupe et al.	
	17	US-5,193,539	16-Mar-1993	Schulman et al.	
	18	US-5,193,540	16-Mar-1993	Schulman et al.	
	19	US-5,211,161	18-May-1993	Stef	
	20	US-5,244,441	14-Sep-1993	Dempster et al.	
	21	US-5,269,318	14-Dec-1993	Nashner	
	22	US-5,312,439	17-May-1994	Loeb	
	23	US-5,324,316	28-Jun-1994	Schulman et al.	
	24	US-5,391,128	21-Feb-1995	DeBear	
	25	US-5,397,865	14-Mar-1995	Park	
	26	US-5,405,367	11-Apr-1995	Schulman et al.	
	27	US-5,454,774	03-Oct-1995	Davis	
	28	US-5,466,213	14-Nov-1995	Hogan et al.	
	29	US-5,476,103	19-Dec-1995	Nahsner	
Examiner Signature	/Frances Oropeza/			Date Considered	06/06/2011

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Sheet	2	Of	4	Attorney Docket Number	34617

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		Number-Kind Code ² (if known)			
	30	US-5,476,428	19-Dec-1995	Potash et al.	
	31	US-5,662,693	02-Sep-1997	Johnson et al.	
	32	US-5,690,389	25-Nov-1977	Ekman et al.	
	33	US-5,836,304	17-Nov-1998	Kellinger et al.	
	34	US-5,846,086	08-Dec-1998	Bizzi et al.	
	35	US-5,919,115	06-Jun-1999	Horowitz et al.	
	36	US-5,954,621	21-Sep-1999	Jourtas et al.	
	37	US-6,035,465	14-Mar-2000	Rogozinski	
	38	US-6,051,017	18-Apr-2000	Loeb et al.	
	39	US-6,057,828	02-May-2000	Rosenberg et al.	
	40	US-6,061,004	09-May-2000	Rosenberg et al.	
	41	US-6,246,200	12-Jun-2001	Blumenkranz et al.	
	42	US-6,270,445	07-Aug-2001	Dean Jr. et al.	
	43	US-6,478,721	12-Nov-2002	Hunter	
	44	US-6,645,126	11-Nov-2003	Martin et al.	
	45	US-6,774,885	10-Aug-2004	Even-Zohar	
	46	US-6,829,510	07-Dec-2004	Nathan et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. 1	Foreign Patent Documents	Publication Date DD-MMM-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ² Number* Kind Code ² (if known)				
	47	JP 02-102652	16-Apr-1990	Yokogawa		
	48	EP 0304538	01-Mar-1989	Futakami		
	49	EP 0862930	09-Sep-1998	Riva Violetta et al.		
	50	JP 11-253504	21-Sep-1999	Aoki		
	51	JP 2002-127058	08-May-2002	Kawakami		
	52	JP 2003-164544	10-Jun-2003	Yoshihiro et al.		
	53	PCT WO 02/092164	21-Nov-2002	Brodad et al.		
	54	PCT WO 02/13673	21-Feb-2002	Kotlik et al.		
	55	PCT WO 2004/050172	17-Jun-2004	Koeneman et al.		
	56	PCT WO 2005/074369	18-Aug-2005	Einav		
	57	PCT WO 2005/074370	28-Aug-2005	Einav		
	58	PCT WO 2005/074371	18-Aug-2005	Einav et al.		
	59	PCT WO 2005/074372	18-Aug-2005	Einav et al.		
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Substitute for form I 449A/PTO

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Sheet	3	Of	4
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FOREIGN PATENT DOCUMENTS

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		Group Art Unit	Unknown		
		Examiner Name	Not Yet Assigned		
Sheet	4	Of	4	Attorney Docket Number	34617
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	72	Backlife "The Backlife Idea", Product Information, <http://www.backlife.com>, 27 P., 2003.			
	73	Bak "The Complex Motion of Standing Still. Hydraulics, Sensors, and Human Modeling Dsta-Unified by Proprietary Software", <http://www.designnews.com/article/CA73202>, 5 P., 2001.			
	74	Burgar et al. "Development of Robots for Rehabilitation Therapy: The Palo Alto VA/Stanford Experience", Journal of Rehabilitation Research and Development, 37(6): 663-673, 2000.			
	75	Cameron et al. "Micromodular Implants to Provide Electrical Stimulation of Paralyzed Muscles and Limbs", IEEE Transactions on Biomedical Engineering, 44(9): 781-790, 1997. Abstract.			
	76	Graupe "EMG Pattern Analysis for Patient-Responsive Control of FES in Paraplegics for Walker-Supported Walking", IEEE Transactions on Biomedical Engineering, 36(7): 711-719, 1989. P.711, l-h Col., Paragraph 1 -r-h Col., Paragraph 1, Figs.3, 5, P.716, l-h Col., Figs.			
	77	Messinger "ReAbility Games: Island Hunt Catch'em Patrol Muzment", Detailed Specifications Document, NOKs Technologies, Version 1.0, 16 P., 2004.			
	78	Micromedical "BalanceQuest: Computerized Dynamic Posturography", Micromedical Technologies, <http://www.micromedical.com>, 6 P., 2001.			
	79	Motek "Motek Medical Rehabilitation: Rehabilitation", <http://www.e-motek.com>, 1 P.			
	80	Peasgood et al. "EMG-Controlled Dosed Loop Electrical Stimulation Using A Digital Signal Processor", Electronics Letters, 36(22): 1832-1833, 2000. P.1832, l-h Col., Paragraph 1, Fig.1, P.1833, r-h Col., Paragraph 1.			
	81	Richardson et al. "Comparing Smooth Arm Movement With the Two-Thirds Power Law and the Related Segmented-Control Hypothesis", The Journal of Neuroscience, 22(18): 8201-8211, 2002.			
	82	Viviani et al. "Minimum-Jerk, Two-Thirds Power Law, and Isochrony: Converging Approaches to Movement Planning", Journal of Experimental Psychology: Human Perception and Performance, 17: 32-53, 1995. Abstract.			
	83	Viviani et al. "Trajectory Determines Movement Dynamics", The Journal of Neuroscience, 7: 431-437, 1982.			
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